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RAW SEQUENCE LISTING

DATE: 03/05/2002

PATENT APPLICATION: US/10/078,927

TIME: 14:18:09

2

Input Set : A:\SJ-01-0032 Sequence Listing.ST25.txt

Output Set: N:\CRF3\03052002\J078927.raw

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3 <110> APPLICANT: St. Jude Children's Research Hospital
4   Curran, Thomas
5   Keshvara, Lakhu
7 <120> TITLE OF INVENTION: Cyclin Dependent Kinase 5 Phosphorylation of Disabled 1
Protein
9 <130> FILE REFERENCE: SJ-01-0032
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/078,927
C--> 11 <141> CURRENT FILING DATE: 2002-02-19
11 <160> NUMBER OF SEQ ID NOS: 3
13 <170> SOFTWARE: PatentIn version 3.1
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 6
17 <212> TYPE: PRT
18 <213> ORGANISM: Mus musculus
20 <220> FEATURE:
21 <221> NAME/KEY: SITE
22 <222> LOCATION: (3)..(3)
23 <223> OTHER INFORMATION: Serine at residue #3 equates to Serine491 in mouse Dab1
sequence
24   Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 p
25   osition and a Lysine (K) in the +3 position
28 <220> FEATURE:
29 <221> NAME/KEY: DOMAIN
30 <222> LOCATION: (1)..(6)
31 <223> OTHER INFORMATION: smallest carboxy terminal Dab1 tryptic fragment containing a
Cdk5
32   phosphorylation site
35 <400> SEQUENCE: 1
37 Gln Ser Ser Pro Ser Lys
38 1      5
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 24
43 <212> TYPE: PRT
44 <213> ORGANISM: Mus musculus
46 <220> FEATURE:
47 <221> NAME/KEY: SITE
48 <222> LOCATION: (21)..(21)
49 <223> OTHER INFORMATION: Serine at Reisdue 21 equates to Serine515 in mouse Dab1
sequence
50   Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 p
51   osition and a Lysine (K) in the +3 position
54 <220> FEATURE:
55 <221> NAME/KEY: DOMAIN
56 <222> LOCATION: (1)..(24)

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57 <223> OTHER INFORMATION: Dab1 tryptic fragment containing a Cdk5 phosphorylation site
60 <400> SEQUENCE: 2
62 Ser Ser Ala Ser His Val Ser Asp Pro Thr Ala Asp Asp Ile Phe Glu

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63 1           5           10           15
66 Glu Gly Phe Glu Ser Pro Ser Lys
67           20
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 14
72 <212> TYPE: PRT
73 <213> ORGANISM: Mus musculus
75 <220> FEATURE:
76 <221> NAME/KEY: MOD_RES
77 <222> LOCATION: (8)..(8)
78 <223> OTHER INFORMATION: PHOSPHORYLATION, equates to Serine491 in mouse Dab1 sequence
79      Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 p
80      osition and a Lysine (K) in the +3 position
83 <220> FEATURE:
84 <221> NAME/KEY: DOMAIN
85 <222> LOCATION: (1)..(14)
86 <223> OTHER INFORMATION: Dab1 phosphopeptide domain used for antibody production
89 <400> SEQUENCE: 3
91 Thr Pro Ala Pro Arg Gln Ser Ser Pro Ser Lys Ser Ser Ala
92 1           5           10

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VERIFICATION SUMMARY

DATE: 03/05/2002

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Input Set : A:\SJ-01-0032 Sequence Listing.ST25.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date